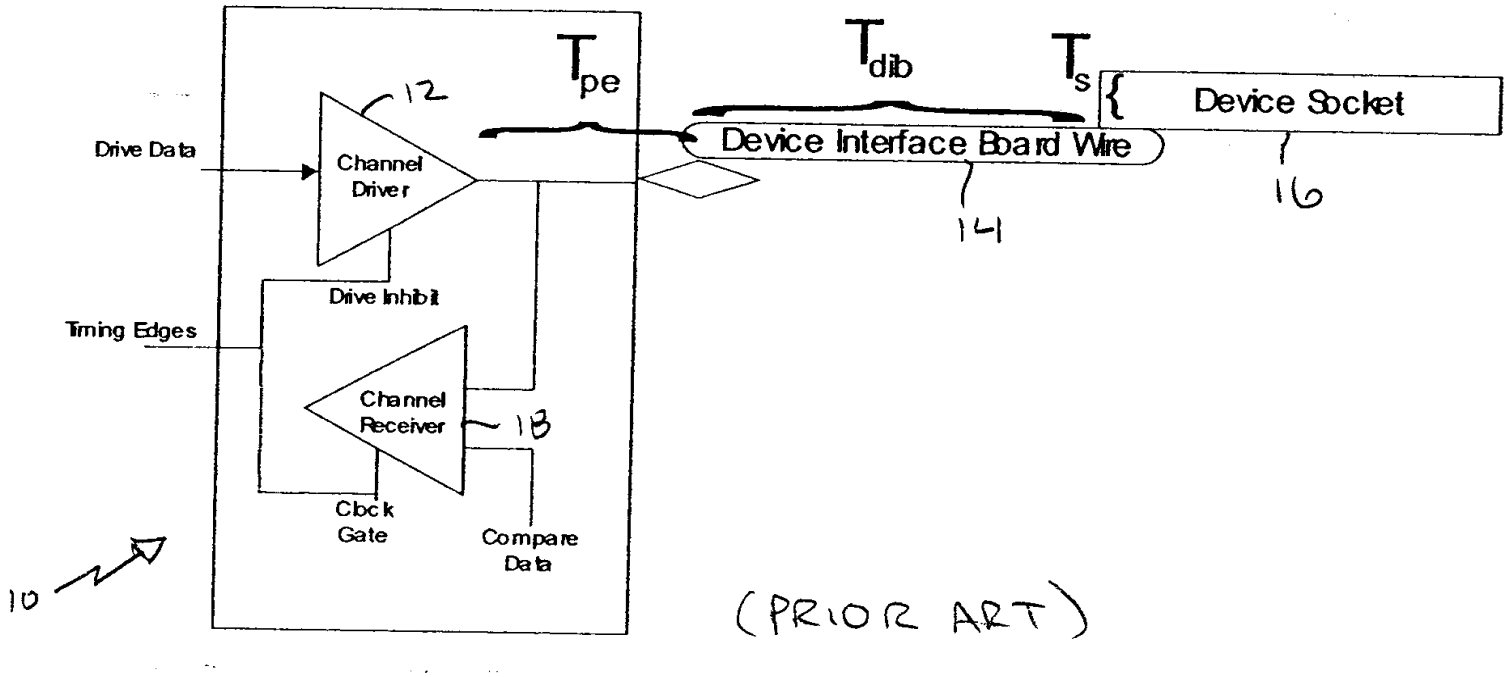
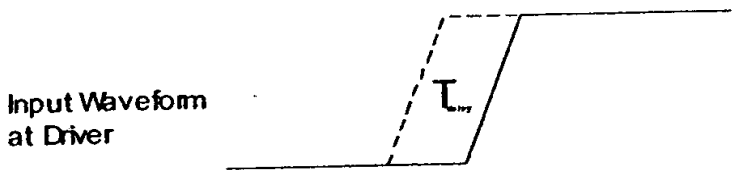


FIG. 1



Tdriver = Tdesired - Tdelay

FIG. 2

$$Treceive = Tmeasure + Tdelay$$

FIG. 3

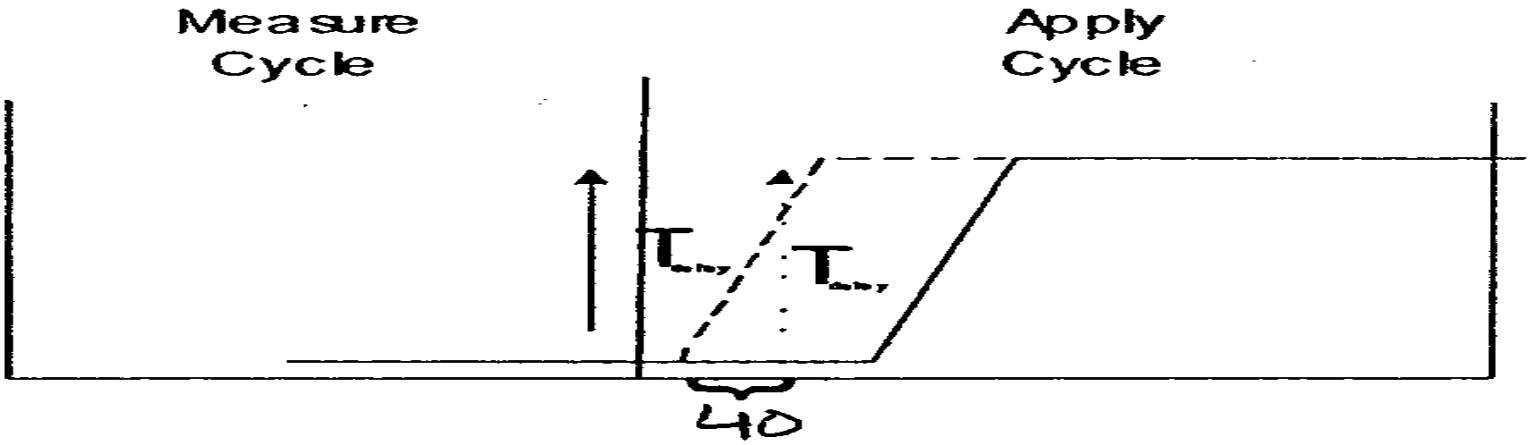


FIG. 4

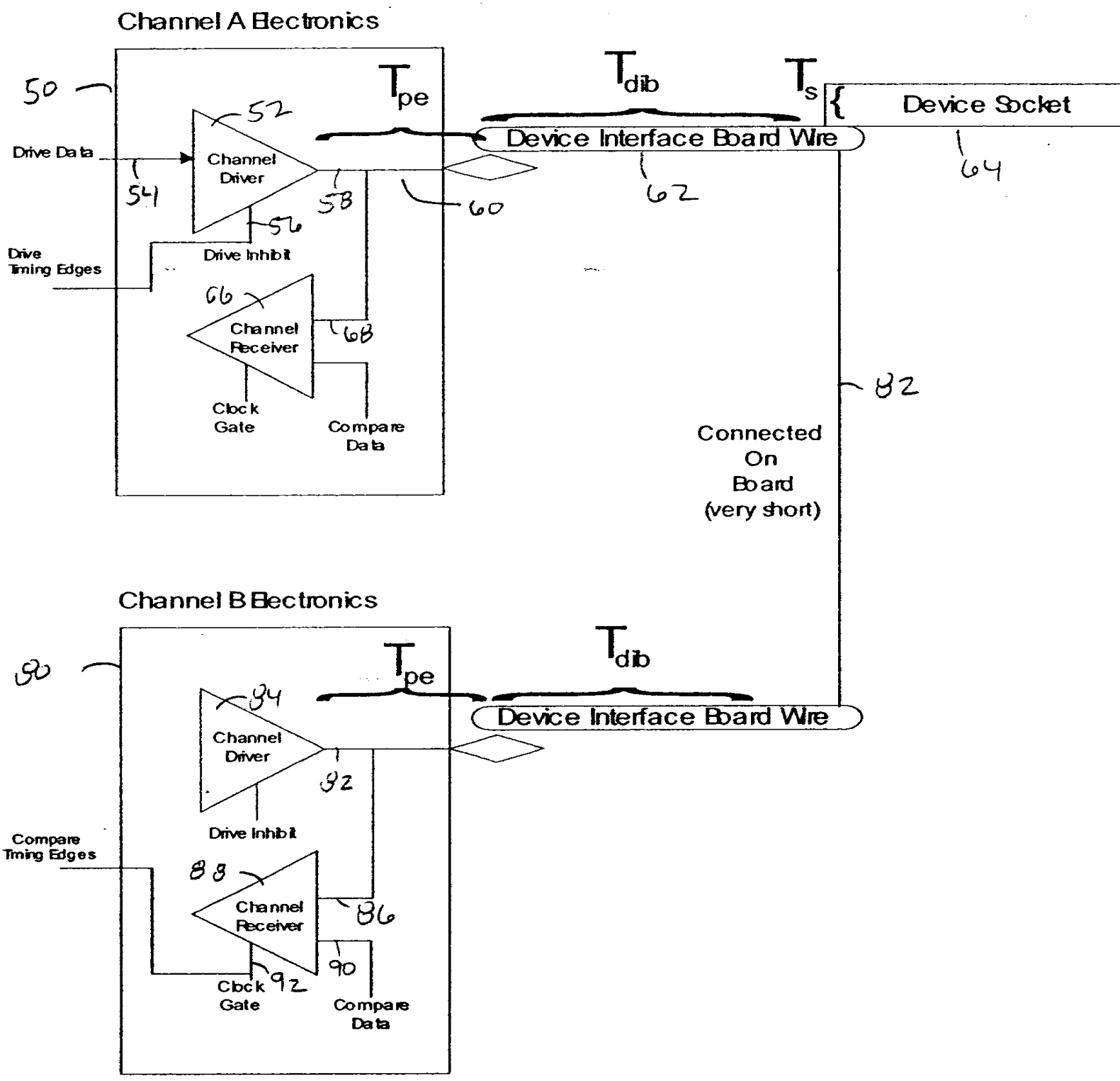

Channel A Electronics
50
52
Drive Data
54
Channel Driver
58
56
60
Drive Inhibit
Drive Timing Edges
66
Channel Receiver
68
Clock Gate
Compare Data
T_{pe}
T_{dib}
T_s
Device Socket
Device Interface Board Wire
62
64
82
Connected On Board (very short)
Channel B Electronics
80
84
Channel Driver
92
Drive Inhibit
Compare Timing Edges
88
Channel Receiver
86
90
Clock Gate
92
Compare Data
T_{pe}
T_{dib}
Device Interface Board Wire

FIG. 5